

Title (en)
BULLET SYSTEM WITH MULTIPLE DRAG-REDUCING CAPABILITIES

Title (de)
GESCHOSSSYSTEM MIT MEHREREN REIBUNGSREDUZIERENDEN FÄHIGKEITEN

Title (fr)
SYSTÈME DE BALLE AYANT DE MULTIPLES CAPACITÉS DE RÉDUCTION DE TRAÎNÉE

Publication
EP 4363790 A1 20240508 (EN)

Application
EP 22831101 A 20220629

Priority
• US 202163202898 P 20210629
• CA 2022051037 W 20220629

Abstract (en)
[origin: WO2023272387A1] A bullet system (1) for use with a weapon upon firing, the bullet system (1) including a main body (3) acting as a projectile, as well as a first, second and third drag-reducing assemblies (5a, 5b, 5c) for providing the bullet system (1) with reductions of base drag, frontal drag and skin drag, during flight trajectory, the drag-reducing assemblies (5a, 5b, 5c) being fluidly connectable to one another via a common longitudinal channel (11), and the most frontward (5b) of said drag-reducing assemblies (5a, 5b, 5c) being provided with a material capable of being converted into an operative vapor discharge to be released from an orifice located at the bullet tip for covering the outer surface of the main body (3) of the bullet system (1) with said operative vapor discharge during flight, and thus, reducing the skin and frontal drag of the bullet system (1) during flight; wherein the first drag-reducing assembly (5a) is being provided about a rearward portion of the main body (3) for providing the bullet (1) with a reduction of base drag during flight trajectory.

IPC 8 full level
F42B 10/38 (2006.01); **F42B 10/40** (2006.01); **F42B 30/02** (2006.01)

CPC (source: EP)
F42B 10/38 (2013.01); **F42B 10/40** (2013.01); **F42B 30/02** (2013.01)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
WO 2023272387 A1 20230105; CA 3224418 A1 20230105; EP 4363790 A1 20240508

DOCDB simple family (application)
CA 2022051037 W 20220629; CA 3224418 A 20220629; EP 22831101 A 20220629